

# THE TECH

DAILY

VOL. XXIX. NO. 5.

BOSTON, MASS., MONDAY, OCTOBER 4, 1909

PRICE ONE CENT

## UNION'S FIRST YEAR SUCCESSFUL

### Reports of Union and Friday Entertainment Committees

The first year of the present Union building was very successful, the Friday evening entertainments proving interesting without exception. The Union Committee voted to publish the following reports in the Alumini week number of The Tech last June, but lack of space prevented their appearance in that issue.

#### REPORT OF HOUSE COMMITTEE. May 24, 1909.

The House Committee has found it expedient to confine card playing and other games to one room in the Union. By excluding all games from the social and quiet rooms at the beginning of next term, these rooms may be preserved for the broader purposes for which they were originally intended, at the same time enabling them to be kept in a more orderly appearance.

Since the beginning of the term, Maj. Briggs has procured a new Interclass cup. The Tech Show has furnished a framed poster and photographs of the Show east, all of which have been hung in the social room. The larger cabinet in the quiet room was presented by Prof. Goodwin. The upper part of this has been used for the purpose of displaying cups and the lower cupboards will be of service for summer storing of trophies or books. There has been much delay in securing the settle which was ordered by the C. E. Society last year for the Union, but it will be in place in the social room Tuesday or Wednesday of next week. The library of Technique has been placed in a special case in the social room. Six paper pulp cuspidors with brass covers and rubber mats have been supplied to the office rooms.

It is suggested to the Union Committee that the bust of President Rogers be removed from the pedestal and placed permanently upon the cabinet presented by Prof. Goodwin. At present the pedestal is being painted to improve its appearance for the Union, but, at best, it is a cold bare looking fixture and not a good addition to the social room.

Receipts from confectionery and tobacco have been very steady—showing constant profits as reported by Bursar Rand from time to time.

At the close of the year a list of all Colby library books will be taken and these books stored in a suitable place.

#### REPORT OF THE ENTERTAINMENT COMMITTEE. May 24, 1909.

The Entertainment Committee has had during the past term the following entertainments:

Friday, February 12—Prof. J. J. O'Brien

Friday, February 26—Prof. Sedgwick on Public Health.

Friday, March 5—Mr. Brandies on the Recent Old Age Movement in regard to pensions.

Friday, March 12—Lieutenant Tardy talked on the cruise of the Fleet Around the World.

Friday, March 19—Dr. Fleicher talked on Democracy.

Friday, March 26—Mr. Lyman Underwood talked on hunting big game with canoe and camera.

Friday, April 9—Mr. F. B. Sears talked on the history of banking.

Friday, April 30—District Attorney Hill talked on the young man in public office.

Friday, May 21—A track team smoker was held in the Union for visiting teams. It was well attended, and the Committee recommends that it be continued in future years.

## THE TECH GIVES DINNER TO 1913

### Addresses by Burton, Humphreys, Litchfield, Jackson

The Tech's dinner, given at the Union Saturday evening to the entering class, was a great success, judging from the number who enjoyed the feast and speeches. Richard H. Ranger 1911, general manager of The Tech presided. He introduced Class Treasurer Birchard 1913, who read the following telegram from Chairman W. N. Holmes 1913: "Am unavoidably detained in Salem. Am dining tonight with a few live soph. Signed W. N. Holmes." At the moment that this telegram was being read, a card flew in through the window of the Union, bearing the inscription, "How did the little bird know that? 1912."

Dean Burton was the first speaker of the evening. He said in substance: There are a great many who are not superstitious about sitting with thirteen at table. Whether the class of 1913 proves lucky or not depends entirely upon the class. The first time a class gathers together as such, it must realize that class feeling is very strong and that the class meets are of great importance. College life is thought of on this basis and it is in classes that the men gather together at reunions. At Technology, the entering class is treated as a class of men, not boys, in that they are trusted and expected to feel the responsibility of keeping good the name of the class and that of the Institute. There are tests of the advisability of carrying on this policy, one of which comes with the Union. This building was built through the efforts of the graduates, the faculty and the corporations. It is placed freely in the hands of the students. In the past this trust has been well founded; there has never yet been any abuse. It rests with the class of 1913 to continue this democratic policy.

There are many Technology traditions that should be guarded carefully. There has been produced by the undergraduates this last year a book "Concerning the Massachusetts Institute of Technology," which should be read by every man entering the Institute. By reading this book, the spirit underlying the idea of the alumni and undergraduates of social life is shown. The tradition of the Institute differ from those of the colleges in regard to the treatment of the first year men. They are given more liberties and more responsibilities. Their duty is to support these traditions, to promote and encourage the social activities, to make use of the Union and get some meals there. There being no dormitory system, this is the opportunity to get to know one's fellow students. The Friday evening entertainments, in particular should be well attended.

There is another important point. It is well known that in all American colleges, there is certain feeling between the classes of the first and second years. At West Point, this seems to be the one object in life. Here at Tech, it is

(Continued on page 2.)

## FRESHMAN CHAIRMAN KIDNAPPED

Very little stir was made Saturday afternoon, when W. H. Holmes, chairman of the freshmen class was met by a delegation of sophomores as he was coming out from a recitation in Walker. He was escorted to a waiting taxicab, and speedily taken in a joy ride to Woburn, to enjoy a short sojourn with his 1912 friends.

## 1913 TAKES ROGERS STEPS FROM 1912

### Both Sophomores and Freshmen Make Victims Plunge in Pond

The class rush on Rogers steps Saturday night was one of the snappiest scraps between the lower classmen since 1906. The immortal pond later proved the attraction, a number from each class impromptu swim.

The excitement commenced during the dinner in the Union, given to the freshmen by The Tech. During the speeches, a number of 1912 yell and placards floated in through the windows.

After the dinner, the freshmen rushed out of the building, shouting blood curdling thirteen yell. They rapidly formed in rows of four and rushed in a snake dance to a position opposite Rogers' steps. There were about fifty sophomores ready to defend the steps, but in the mad fight, amid the yells of twelve and thirteen, the greater numbers of the lower class gave them the dominance of their goal and the sharp and snappy contest was soon over.

The sophomores were driven off, leaving a few of their members behind. These were dressed in pajamas and nightshirts, and in the middle of a long line of freshmen were escorted down Boylston street to the Public Gardens. Here four sophomores, W. H. Baxter, F. H. Busby, of Boston; C. A. Stewart of Newtonville and M. A. Oettinger of Roxbury were thrown into the pond. Further celebration was prevented by the arrival of a squad of mounted police.

The sophomores were not the only victims of the "water cure," for three freshmen preceded them in the cold, cold pond. As the sophomores left the steps of Rogers, they managed to lure with them three members of 1913. These were marched down Columbus Ave. in "barefoot boy" fashion, and made to dive into the chilling waters. "Chic" Guild, one of the unfortunates, made quite a sensation by yelling for thirteen, when in the middle of the pond, at a safe distance from the sophomores. This aquatic party also was dispersed and further demonstration prevented by the police.

#### SATURDAY'S FOOTBALL SCORES.

At Cambridge—Harvard 17, Bowdoin 0.

At New Haven—Yale 15, Syracuse 0.

At West Point—West Point 22, Tufts 0.

At Hanover, N. H.—Dartmouth 0, University of Vermont 0.

At Worcester—Holy Cross 13, New Hampshire State College 0.

At Providence—Brown 14, Colgate 0.

At Middletown, Conn.—Norwich University 6, Wesleyan 0.

At Amherst—Springfield T. S. 6, Amherst 5.

At Orono, Me.—University of Maine 16, Fort McKinley 0.

At Waterville, Me.—Colby 17, Hebron 3.

At Hartford, Conn.—Trinity 12, Worcester Polytechnic 6.

At Ashburnham—Cushing Academy 45, Connecticut State College 0.

At Princeton—Princeton 47, Stevens Institute 12.

At Philadelphia—University of Pennsylvania 18, Dickinson 0.

At Ithaca—Cornell 16, Rensselaer P. I. 3.

At Carlisle, Penn.—Carlisle Indians 48, Bucknell 6.

All Episcopalians entering Tech are earnestly requested to send their names and addresses to F. R. Kneeland, 44 Walker Building at once.

## NEW EQUIPMENT AND BUILDING CHANGES

### Electrical, Mechanical, Mining, Biology Departments Gain

During the summer additions have been made to the equipment of the electrical, mining, mechanical and biological departments. Minor alterations have been made in rooms.

In Rogers, four small offices have been partitioned off in room 11, for English instructors, and 43, the freshmen drawing room, has been divided into four sections to accord with the new system of small sections in first year.

The library of the civil engineering department in Engineering building A has been enlarged to double its former size; the blue-print room on the top floor has been abolished, and room 53 has been enlarged, accomodating ninety men. The civils will use the blue-print room of the mechanical engineering department.

The electrical department has been the greatest gainer in the line of new equipment, and is now considered equal, if not superior, to the electrical departments of any school or college in the world. The most important recent additions are two motor generator sets of 3 1/2 kilowatts each, and a 500 kilowatt alternating current machine driven by the new turbine engine in Engineering B. The new gymnasium and mechanical laboratories on Garrison street will be furnished with light from a new power plant installed in the laboratories. With this addition, all the Institute buildings are lighted by their own electrical equipment.

The department of mining engineering has received one of the new Richard's pulsator jigs and a feeder table for ore concentration.

In the biology department, a new sanitary experimentation has been established in Pierce. Samples of sewerage from the filter beds of the Metropolitan mains at Calf Pasture, Dorchester, will be tested in the new laboratory.

## CROSS COUNTRY WON BY WATKINS 1912

### Thirty-eight Men Enter First Run of Season

Thirty-eight men reported at Hyde Park, Saturday afternoon to run over the Hare and Hounds' trail laid by H. Benson 1912 and W. C. West 1911. The course was god one, but the going was easy, as the sharp-witted hares fooled the crowd many times. The men were well bunched all along as the going was such that all men could keep well up, although the last half mile was fast enough for the men to spread out and give a little competition.

The trail was about five miles and it took about 45 minutes to go over it. After finishing, the men had the enjoyment of a swim in the pool, and everyone left in a fine condition.

The few freshmen that put in an appearance showed up well. The leaders at the finish were all well known men. Our star sophomore, H. G. Watkins led the bunch, followed by Van Alstyne 1911, Cartwright 1912, and MacCradie 1912.

Those who reported were: From 1910, John Ahlers, H. C. Frisbee, Elmer Jacobs,

(Continued on page 3.)

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## THE TECH GIVES DINNER

(Continued from page 1.)

gratifying to notice the desire for fair and open play. There is very little hazing, if any. Field Day has been organized to provide the proper sort of rivalry between the two lower classes. It means a great deal to the class to succeed or fail in these events, as was shown in last year's close contest. There is no other Institute that has so fair and square a contest between the classes as we have here. This should be realized, no matter what sporadic events may happen this month.

Treasurer Birchard of the class spoke to emphasize the fact that nobleness of the class depends upon the nobleness of each individual member therein.

Registrar Walter Humphreys spoke of the registration system and gave several statistics of the class. 1913 represents 27 different States, is one of the largest and youngest that have entered the Institute, one student registering before he was born, November 14, 1909.

Isaac W. Litchfield 1885, representing the Alumni Association, urged the men to enter the social activities and to encourage the work not included in the curriculum. The Alumni Association is now in excellent financial condition, the New York association being surpassed in that city by only Columbia and Princeton.

Professor Dugald C. Jackson urged the necessity of enjoying one's work in order to become an able engineer. The joys of accomplishment in the engineering course is unequalled. He said that great men do not let recreation run over regulation hours and that there is here at Tech plenty to arouse the ambitions of every man with a thirsty mind.

Coach Frank Kanaly urged all freshmen to come out for the Field Day practice, and Tommy Matters, the Nebraska University star who is coaching the 1913 eleven encouraged the freshmen to come out for football.

A class meeting was announced for one o'clock today, and President William C. Salisbury 1911, led the class in Technology and 1913 cheers. The gathering then broke up and the freshmen prepared to capture Rogers' steps from the sophomores.

## CURRENT EVENTS

General Thomas H. Hubbard, president of the Arctic Peary Club was in Boston Saturday, on his way to New York. He said that Commander Peary's statement would be laid before the club within a couple of days, and that it would probably be made public within a week.

Peary's Arctic steamer, the Roosevelt, has returned to New York today from her trip up the Hudson with the naval parade, and is now at the Brooklyn navy yard. A special guard is there stationed to protect her from souvenir hunters.

Mene, the Eskimo boy who accompanied Peary in a previous expedition, has returned to the far north, on the schooner Jeanie. He has been so homesick since he came south that it was thought advisable to put him ashore at North Star bay. Lieutenant Peary has provided him with a rifle, ammunition, wood for sledges, and other material enough to last him a year. Mene is the only survivor of a number of Eskimos who were brought south by Commander Peary a few years ago.

Orville Wright, the aviator, made a new record in high flying Saturday. At Potsdam he flew at a height of more than 1600 feet, although no actual measurements were taken. Earlier in the day, he took up Crown Prince Frederick William as a passenger. They rose over Bornstedt at a height of twenty feet for a short time, but the Crown Prince desired to sail higher, so a maximum altitude of sixty feet was attained.

Mr Wright was congratulated by the Crown Prince and presented with an appropriate diamond and ruby pin of considerable value. Later Mr. Wright made his record flight and returning to earth, said:

"I never flew so high before. No measurement was taken, but I estimate that I reached an altitude of 500 meters (1637 feet). It is sufficient to gage height, but I make the estimate from the time it took me from the starting point to the greatest altitude.

"Immediately after rising I set the rudder at the maximum and kept climbing steadily for 15 minutes, until the field and adjacent country reminded me of the picture I had from Zeppelin's airship, only things seemed smaller.

"The descent I made in five minutes. I came down at a simply terrifying speed. The whole machine shook as it rushed through the air, but my sensations were just the same as in lower altitude. The air was no colder and the wind resistance was no greater."

& A great six mile parade ended the week of the Hudson-Fulton celebration. Amid fireworks of every description, in a blaze of glory, the floats passed before immense crowds from every part of the country. \$250,000 was spent for floats representing the legends of art, music, literature and history, and royalty was represented by the Queen of Sheba and the Frost King.

The Claremont and the Half Moon were greeted Saturday by 21 guns from Poughkeepsie.

### CALENDAR.

Monday, October 4.

4:15 P. M.—Trials for Banjo Club at Union.

5:15 P. M.—Glee Club meeting at Union to elect officers.

4:15 P. M.—Field day practice.

Tuesday, October 5.

1:10 P. M.—Tennis meeting in 21 Rogers.

4:15 P. M.—Field day practice.

Wednesday, October 6.

1:00 P. M.—1912 class meeting in Huntington Hall.

4:15 P. M.—Trials for position of reader with Musical Clubs, at Union.

4:15 P. M.—Field Day practice.

Monday, October 4.

4:00 P. M.—Meeting of officers and Board of Directors of Wireless Society in the Union.

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## ARCHITECTURE GRADUATES WIN HONORS

Andrew N. Rebori 1907, holder of the Institute's Travelling Fellowship in Architecture for 1907-8, returned to America last week after 13 months travel and study in Europe. On his visit to Prof F. W. Chandler, head of the department of architecture, he exhibited a large number of sketches made abroad, and also turned over to the department the two envois that he was required to make.

Rebori began his trip at London and worked from there through Belgium and France into Italy, spending five months altogether at Paris and six in Rome. One of his envois was made at Paris and consists of a measured drawing of "La Fontaine de Grenelle," rendered in ink. The other is an elevation of Raphael's Loggia in the Vatican at Rome and is a remarkable piece of work, all the marbles and mosaics being faithfully represented in color. These drawings are to be placed on exhibition in the exhibition room of the department this week.

C. C. Clark 1910, during the summer won third prize in the competition of the Brickbuilder magazine for a brick house, not to exceed \$10,000 in cost. Third prize was \$150.

Registration in the architectural department will run nearly twenty above the number for last year in the second, third, fourth and fifth years. Several classes are so large that they can not be accommodated in the drawing rooms. The work of the department has been facilitated this year by the appointment of an instructor to assist with the classes in perspective, working drawings, and construction design.

R. J. Batchelder '08, holder of the Travelling Fellowship for 1909-10, and Rinker Kibbey '08, former Tech Show star, went abroad in August for a year's travel and study. Miss Mabel Babcock 1908 and Cecil F. Baker 1907, are also abroad. Edgar J. Williams 1908, winner of the American Academy of Rome scholarship in architecture, left in August to take up his three years' residence at the Academy in Rome.

## PHYSICAL RESEARCH DURING SUMMER

### Dr. Comstock Probes New Theory of Diamagnetism

During the past summer, the laboratories of the Institute have not laid idle. In the Physical Department, a research work has been carried on by Dr. Daniel F. Comstock and Mr. G. E. Batchelder.

In the field of magnetism, a number of questions have arisen, and it is in an attempt to settle these points that these instructors have begun the research. Do all substances possess two kinds of magnetism? Is even iron diamagnetic? Research alone can throw light on the ultimate nature of magnetized bodies. That two different kinds of magnetism exist in the same body is probably the reason why magnetic phenomena seem so complex and why at the present day so little is known of the subject. A theory has been advanced that the two magnetisms exist in all bodies, and is now being tried out. As there is no known way to separate the two types, if they exist, and study each separately, Dr. Comstock and Mr. Washburn have devised a method which gives promising results. In this method, a piece of iron is saturated by a powerful electro magnetic, and then when the ordinary magnetic property is thus practically paralized, its effects having reached a supposed maximum, experiments are made to detect any diamagnetic properties. Results have not yet been completely reviewed, but those now obtained seem to point towards the existence of the diamagnetism in iron. An extension of this theory would lead to the belief that in all substances the two kinds co-exist, and that a substance is magnetic or diamagnetic according as one or the other property predominates in it.

### NOTICES.

#### Faculty Notice.

Course X.—Steam engineering, Monday 12-1 changed to Monday 11-12.

Course XIII.—Steam engineering, Monday 12-1 changed to Monday 11-12.

Hydraulics, Monday 11-12 changed to Monday 12-1.

#### Text-Book.

"The Polaroscope in the Chemical Laboratory," published by Macmillan. GEO. W. ROLFE, Instructor.

#### First Year.

Section 20—Mathematics will recite in room 26, Rogers.

#### Options in General Studies.

Italian and Spanish were listed on the General Bulletin under the General Studies. They are, however, not accepted by special Faculty action for the Option in the General Study.

WALTER HUMPHREYS,

Registrar.

#### Industrial Chemistry.

The exercise in Industrial Chemistry on Monday, October 4th, will be omitted.

Banjo Club—Trials Monday, 4:15, at Union. Everybody gets a chance, come around.

Room in Jamaica Plain; 20 minutes to Institute. Good table board available near by.

Phone Jam. 847-5 T. E. SEARS, M. I. T. 1903.

WIRELESS SOC.—Meeting of all officers and the board of directors in the Union, Monday at 4:00. Very important that all should be present.

Meeting of the Tennis Association, to elect officers and make tournament arrangements. All interested come. 21 Rogers. 1:00 Tuesday.

#### Musical Clubs.

BANJO CLUB—Trials at Union, 4:15. GLEE CLUB—Meeting at Union, 4:15, to elect officers. All come.

WANTED—A reader to spot funny and other stories. Try out at Union, 4:15, Wednesday.

Course B, military science will meet Tuesday, 4:15, in Room 32, Eng. C.

TO LET—Large room for two, at 109 Summer street. Som. 22 min. from Tech. Room and two meals per day \$4.50 per week.

1913—Appointments will be made in Freehand Drawing classes to meet Coach Kanaly for physical examination between 1 P. M. and 3 P. M. everyday except Saturday of this week.

## CROSS COUNTRY

(Continued from page 1.)

B. Jones, H. Sackett, G. F. Shaffer, N. Ronsohoff, C. L. Batcheller, W. S. Davis, B. C. Huber, L. O. French, E. S. Howe; from 1911, W. C. West, H. S. Lord, H. Jenks, P. D. White, R. D. Van Alstine, J. D. MacKenzie, C. P. Eldred; from 1912, J. I. Taylor, K. Cartwright, V. V. Ballard, W. T. MacCradie, E. Montgomery, E. W. Wettengeil, H. S. Benson, H. G. Watkins, W. A. Rhodes, L. M. White, R. M. Ferry, G. L. Sawyer, H. M. Foley; for 1913, J. C. MacKinnon, Bonney, H. M. Lawrence and Bylund.

## EXCHANGES

At Tufts this year there is to be a freshman course by President Hamilton and members of the faculty for the purpose of instructing students on the actual meaning and work of the various professions, and what is necessary in preparation for them.

Princeton has this year instituted a Senior Council, which provides places of refuge for harassed underclassmen. No hazing is allowed in or near University buildings, in the rooms of a sophomore or a freshman, or until one hour after the close of the formal opening exercises of the University.

## UNION DINING ROOM

### MENU

#### DINNER.

Monday, October 4, 1909.

Chicken with Rice.

Fried Cod and Salt Pork Rasher.

Beef Croquettes with Macaroni.

Roast Lamb, Brown Gravy.

Lettuce and Tomato Salad.

Apple Pie. Ice Cream.

Tea. Coffee. Milk.

Forty Cents.

#### BREAKFAST.

Monday, October 5, 1909.

Sliced Peaches in Cream. Apple Sauce.

Grape Nuts. Oatmeal.

One Lamb Chop and One Bacon Rasher.

One Fried Egg and Ham.

One Baked Potato.

One Roll. One Butter.

Tea. Coffee. Milk.

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#### NOTICES.

##### 1911.

1911 CLASS PIPES.—Order now! At the Union or from the committee.

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M. COFFIN.  
W. C. SALISBURY.

##### General.

SPANISH LANGUAGE PHONO-GRAPH Outfit for sale. A. W. Wells, Information Office, Rogers Building.

##### NOTICE.

All books for Tech Show, 1910, must be in before November 1. Numbered envelopes may be obtained at the Cage. The book should be numbered correspondingly, the name and address of the author placed in the envelope, and both left at the Cage for Kenneth Greenleaf, Stage Manager. All who cannot have their productions complete by that time should communicate with Francis before October 22. Further information may be had of Stage Manager.

MOTOR CYCLE CHEAP—Excellent condition, new tires, new cylinder, etc. Price, particulars, and demonstration on application to J. C. F., care of The Tech. 10-4-'09.

A sum of money was found in one of the buildings, which the owner can obtain from the Bursar.

1913—The drills scheduled for Friday and Monday afternoons, Oct. 1st and 4th, will be omitted. The first drill will be held on Wednesday afternoon, Oct. 6th.

1912—Football Practice at the Oval 4.00 P. M. today, Saturday at Field 2.00 P. M.

Two theatre tickets have been found for Saturday Matinee. They may be had at the Business Office.

The Bursar has had left at his office some drawing instruments which can be purchased at a low price.

The first exercise in Sugar Analysis (Course V, 4th year) will be Tuesday, October 5 at 2 P. M. In 24 W.

#### Trinity Court Petit Lunch

#### STUART STREET

##### MENU

Dinner Oct. 4.

PHILADELPHIA PEPPER POT  
FRIED HADDOCK, TOMATO SAUCE  
NEW ENGLAND BOILED DINNER  
BREADED LAMB CHOPS  
BEEF A LA MODE SPAGHETTI  
ROAST VEAL ROAST BEEF  
VEGETABLES  
PIE OR COFFEE  
20 cents

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Those in charge of each of these departments can be found in THE TECH Office from 8:30 to 9:00 daily.

L. PINKOS  
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A Full Line of Samples will be shown to Tech Students on Tuesday.